



#5

SEQUENCE LISTING

<110> Chen, Jin-Long
Amaral, M. Catherine
Tularik Inc.

<120> Human Uncoupling Protein 2 (hUCP2): Compositions and
Methods of Use

<130> 018781-001110US

<140> US 09/884,814

<141> 2001-06-18

<150> US 09/124,293

<151> 1998-07-29

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<170> PatentIn Ver. 2.1

<210> 1

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<212> PRT

<213> Homo sapiens

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<223> human uncoupling protein 2 (hUCP2) Chen (Tularik)

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Thr	Ile	Leu	Thr	Met	Val	Arg	Thr	Glu	Gly	Pro	Arg	Ser	Leu	Tyr	Asn
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Asn	Ala	Tyr	Lys	Thr	Ile	Ala	Arg	Glu	Glu	Gly	Phe	Arg	Gly	Leu	Trp
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Lys	Gly	Thr	Ser	Pro	Asn	Val	Ala	Arg	Asn	Ala	Ile	Val	Asn	Cys	Ala
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Glu	Leu	Val	Thr	Tyr	Asp	Leu	Ile	Lys	Asp	Ala	Leu	Leu	Lys	Ala	Asn
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<223> human uncoupling protein 2 (hUCP2) Chen (Tularik)
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ggtgtgatgg	gcaccatttc	gaccattggtg	cgtactgagg	gcccccgaa	cctctacaat	240
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gattctgtca	aacagttcta	caccaagggtc	tctgagcatg	ccagcattgg	gagccgcctc	360
ctagcaggca	gcaccacagg	tgccctgggt	gtggctgtgg	cccagcccac	ggatgtggta	420
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aatgcctaca	agaccattgc	ccgagaggaa	gggttcggg	gcctctggaa	agggacctct	540
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<223> human uncoupling protein 2 (hUCP2) Tartaglia et al.

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cct ctg gat act gct aaa gtc cgg tta cag atc caa gga gaa agt cag 144
Pro Leu Asp Thr Ala Lys Val Arg Leu Gln Ile Gln Gly Glu Ser Gln
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ggg cca gtg cgc gct aca gtc agc gcc cag tac cgc ggt gtg atg ggc 192
Gly Pro Val Arg Ala Thr Val Ser Ala Gln Tyr Arg Gly Val Met Gly
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Thr Ile Leu Thr Met Val Arg Thr Glu Gly Pro Arg Ser Leu Tyr Asn
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Ile Gly Leu Tyr Asp Ser Val Lys Gln Phe Tyr Thr Lys Gly Ser Glu
100 105 110

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aat gcc tac aag acc att gcc cga gag gaa ggg ttc cgg ggc ctc tgg 528
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Glu Leu Val Thr Tyr Asp Leu Ile Lys Asp Ala Leu Leu Lys Ala Asn
195 200 205

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Leu Met Thr Asp Asp Leu Pro Cys His Phe Thr Ser Ala Phe Gly Ala
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Arg Tyr Met Asn Ser Ala Leu Gly Gln Tyr Ser Ser Ala Gly His Cys
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Ala Leu Thr Met Leu Gln Lys Glu Gly Pro Arg Ala Phe Tyr Lys Gly
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Phe Met Pro Ser Phe Leu Arg Leu Gly Ser Trp Asn Val Val Met Phe
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<223> human uncoupling protein 2 (hUCP2) Tartaglia et al.

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50 55 60
Thr Ile Leu Thr Met Val Arg Thr Glu Gly Pro Arg Ser Leu Tyr Asn
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Gly Leu Val Ala Gly Leu Gln Arg Gln Met Ser Phe Ala Ser Val Arg
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Ile Gly Leu Tyr Asp Ser Val Lys Gln Phe Tyr Thr Lys Gly Ser Glu
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 165 170 175
 Lys Gly Thr Ser Pro Asn Val Ala Arg Asn Ala Ile Val Asn Cys Ala
 180 185 190
 Glu Leu Val Thr Tyr Asp Leu Ile Lys Asp Ala Leu Leu Lys Ala Asn
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 Leu Met Thr Asp Asp Leu Pro Cys His Phe Thr Ser Ala Phe Gly Ala
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 Gly Phe Cys Thr Thr Val Ile Ala Ser Pro Val Asp Val Val Lys Thr
 225 230 235 240
 Arg Tyr Met Asn Ser Ala Leu Gly Gln Tyr Ser Ser Ala Gly His Cys
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 Ala Leu Thr Met Leu Gln Lys Glu Gly Pro Arg Ala Phe Tyr Lys Gly
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<223> human uncoupling protein 2 (hUCP2) Fleury et al.

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 Ile Gly Leu Tyr Asp Ser Val Lys Gln Phe Tyr Thr Lys Gly Ser Glu
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 260 265 270
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 290 295 300
 Arg Glu Ala Pro Phe
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